SONY

GRZ610

VAIO

Sony VAIO® GRZ-Series Notebook

Portable Digital Workhorse

ENJOY PICTURES!
Create your own digital photo album with Sony's exclusive PictureGear Studio™ software.

MUSIC AND ENTERTAINMENT
Download. Make custom CDs with Sony's exclusive SonicStage™ software.

DIGITAL VIDEO CREATION[10]
Connect your digital camcorder to the GRZ610 and edit and create your own video!

FEATURES

- Intel® Pentium® 4 processor 2AGHz[1]
- Large 15" display and roomy hard drive
- Memory Stick® media slot allows you to tie together so many aspects of the digital world!
- 32MB video DDR SDRAM ATI MOBILITY™ RADEON™ 7500C

Sony Exclusive **MULTIMEDIA DIGITAL EDITING** software package!

MEMORY STICK

SPECIFICATIONS

odel
PCG-GRZ610
Processor
Intel® Pentium® 4 processor 2AGHz[1]
Cache Memory
512 KB integrated on-die level 2
Bus Speed
400 MHz
LCD
15.0" XGA (1024x768) TFT display
Graphics
ATI MOBILITY™ RADEON™ 7500C
32 MB video DDR SDRAM
Memory
256 MB DDR SDRAM (256x1), maximum 1024 MB
Hard Drive
40 GB[3] hard drive
Optical Drive
Internal removable CD-RW/DVD Combo drive
(CD-R-write 24x; CD-RW-write 10x; DVD-read 8x; CD-RW read 12x; CD-read 24x)
Optional Floppy Drive
External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)
Hot-Swappable Multi-Bay
For CD-RW/DVD combo drive or optional second battery
Modem
Integrated V.90 modem
Ethernet
10BASE-T/100BASE-TX Ethernet with RJ-45 interface
Memory Stick® Media Slot
Supports optional Memory Stick® media
Pointing Device / Keyboard
Electro-static touch pad
QWERTY, 86 keys with 3mm stroke and 19mm pitch
Estimated Battery Life[4]
Lithium-ion battery, supports dual battery operation
1.5-2.5 hours with one battery[4]
3.0-5.0 hours with optional second battery[4]
PC Card Slots
2 type I/type II cards, or 1 type III card with CardBus support
Audio
Windows® sound system compatible
Built-in stereo speakers; monaural mini-jack microphone
Other Interfaces
RJ-11 modem jack, i.LINK® (IEEE 1394) interface[3], 3 USB, AV out (mini-jack), RJ-45 Ethernet, Memory Stick® media slot, VGA output, parallel, headphone (stereo), monaural mini-jack microphone, port replicator connection
Optional Port Replicator (PCGA-PRGR2)
DC in, 2 USB, RJ-45 Ethernet, VGA output, PS/2® keyboard and mouse, serial, parallel, S-video out, AV out (mini-jack), line in, docking CN
Power Requirements
115 watts maximum ±10% (19.5V / AC100-240V)
Energy Star® compliant
Advanced power management - APM-ACPI compatible
Size (H x W x D)
1.7"-1.8" X 12.9" X 10.7"
Approximate Weight
6.9 lbs.with one battery
7.5 lbs. with battery and optical drive
Supplied Accessories
Lithium-ion battery, power cord, AC adapter, and weight saver
Optional Accessories
External i.LINK® DVD-RW drive (PCGA-DVRW1)[11]
External USB floppy disk drive (PCGA-UFD5)
Additional battery (PCGA-BP2NX)
USB mouse (PCGA-UMS5)
Carrying case (PCGA-CCGX)
Additional AC adapter (PCGA-AC19V4)
Port Replicator (PCGA-PRGR2)
802.11b Wireless LAN Pro access point (PCWA-A200)
802.11b Wireless LAN PC card (PCWA-C150S)
802.11b Wireless LAN Bridge access point (PCWA-A220)
802.11a Wireless LAN access point (PCWA-A500)
802.11a Wireless LAN PC card (PCWA-C500)
USB Visual Communication Camera (PCGA-UVC10)
Notebook Sport Backpack (PCGA-CCP2)
External Speakers (PCGA-SP1)
Service and Warranty Information
One year limited Express Service[5] (Certain restrictions apply.)
One year limited parts and labor[5]
Telephone Support[5]: One year hardware and 90 days software and operating system from purchase date
Operating System
Microsoft® Windows® XP Home Edition
Productivity Software
Microsoft® Money 2003 Standard[8]
Microsoft® Works
Microsoft® Encarta® Online[9]
Video Software
Sony DVgate™
Sony MovieShaker™
InterVideo® WinDVD® 4 for VAIO® PC
Music Software
Screenblast™ ACID
Screenblast™ SoundForge®
Sony SonicStage™
RealNetworks RealOne™ Player
Photo Software
Adobe® Photoshop® Elements Trial Version[12]
Sony PictureGear Studio™
Sony Network Smart Capture
Communication
VAIO Media™ software
Gaming
Microsoft® Age of Empires: The Age of Kings
Virus, Tools, and Support Software
Trend Micro PC-Cillin®[7]
VAIO Support Agent

1 GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.
3 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
4 Estimated battery life. Actual battery life may vary on usage.
5 From date of purchase with registration.
6 Wireless LAN access point sold separately. Sony cannot fully guarantee the security of wireless communications.
7 Requires fees for use.
8 Certain features are time limited.
9 Limited duration trial subscription to Microsoft's current online version. Internet access required; additional fees (including telephone/long distance charges) may apply also.
10 Camcorder and i.LINK cable sold separately.
11 DVD-R and DVD-RW discs recorded on this drive will playback in most consumer DVD players and computer DVD-ROM drives
12 A 30 day trial version is included

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation.

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Sony recommends Microsoft® Windows® XP.